

Changes made to IRWM Plan Standards from P50 through the P84 process

Standard	Prop 50	Prop 84 – Draft of Language	Comment
Regional Agency or Regional Water Management Group	Describe the regional water management group <b>or</b> regional agency responsible for development and implementation of the Plan. Include the member agencies and organizations and their management responsibilities related to water. Demonstrate that all agencies and organizations, including but not limited to, public agencies, not-for-profit organizations, and privately owned water utilities regulated by the Public Utilities Commission, that were necessary to address the objectives and water management strategies of the Plan were involved in the planning process.		<ul style="list-style-type: none"> <li>Included as part of the Governance Standard</li> </ul>
Governance	<ul style="list-style-type: none"> <li>Not part of Prop 50 Plan Standards</li> </ul>	<p>The IRWM plan must document Governance that ensures the IRWM plan will be updated and implemented beyond existing grant programs. The IRWM plan must:</p> <ul style="list-style-type: none"> <li>Name a regional water management group responsible for development and implementation of the Plan. A Regional Water Management Group must, at a minimum, meet the definition of California Water Code §10537. The IRWM plan must include a description of the Regional Water Management Group and explain how the make up of the group meets the definition of California Water Code §10537, and is sufficient in breath of membership and participation to develop and implement the IRWM Plan.</li> <li>The IRWM Plan must be adopted by the Regional Water Management Group and individual project proponents.</li> <li>Contain a description of the IRWM governance structure.</li> <li>Contain a description of how the chosen form of governance addresses/ensures:               <ul style="list-style-type: none"> <li>Decision making,</li> <li>Equal access and participation,</li> <li>Communication within the IRWM structure and outside that structure,</li> <li>Interim changes and formal changes to the IRWM plan,</li> <li>Long term implementation of the IRWM plan, and</li> <li>Coordination with neighboring IRWM efforts and state and federal agencies.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Added based on Prop 50 experience.</li> </ul>

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Region Description	<p>Explain why the region is an appropriate area for integrated regional water management. Describe internal boundaries within the region (boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, watershed boundaries, county boundaries, etc.), major water related infrastructure, and major land-use divisions. Describe the quality and quantity of water resources within the region, including surface waters, groundwater, reclaimed water, imported water, and desalted water. Describe water supplies and demand for a minimum 20-year planning horizon. Describe important ecological processes and environmental resources within the regional boundaries and the associated water demands to support environmental needs. Describe the social and cultural makeup of the regional community; identify important cultural or social values. Describe economic conditions and important economic trends within the region.</p> <p>In certain cases, individual agencies or organizations may participate in different regional efforts depending on geography, Plan objectives, or other relevant factors. For such cases, the application should include an explanation of why participation in various regional efforts is appropriate.</p>	<p>The IRWM Plan must include a description of the management region. Each IRWM effort is responsible for defining its management region. The region description must include:</p> <ul style="list-style-type: none"> <li>• A description of the watersheds and the water system, natural and manmade, which are being managed. Provide a description of the quality and quantity of water resources within the region, including but not limited to surface waters, groundwater, reclaimed water, imported water, and desalted water.</li> <li>• A description of internal boundaries within the region, including but not limited to boundaries of municipalities; service areas of individual water, wastewater, and land use agencies, including those not involved in the Plan; groundwater basin boundaries, watershed boundaries, county boundaries, etc.</li> <li>• A description of major water related infrastructure and major land-use divisions.</li> <li>• A description of water supplies and demand for a minimum 20-year planning horizon. Including a discussion of important ecological processes and environmental resources within the regional boundaries and the associated water demands to support environmental needs.</li> <li>• A description of the social and cultural makeup of the regional community. Identify important cultural or social values. Identify disadvantaged communities in the management area. Describe economic conditions and important economic trends within the region.</li> <li>• A description of major water related issues, including the effects of climate change, and conflicts in the defined management region. Include a description of water issues of identified DAC communities.</li> <li>• An explanation of how the boundaries of the management region were determined and why the region is an appropriate area for integrated regional water management.</li> <li>• Identification of any neighboring IRWM efforts, overlapping IRWM efforts, and how the water management issues of the subject management region differ from adjacent or overlapping regions.</li> </ul>	<ul style="list-style-type: none"> <li>• Added the description of major water related issues and conflicts to make this a section that contains the problem statement.</li> <li>• Arranged bullets so they may be steps to arrive at regional boundaries.</li> </ul>

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Objectives	Identify Plan objectives and the manner in which they were determined. The Plan must address major water related objectives and conflicts within the region, including at a minimum, water supply, groundwater management, ecosystem restoration, and water quality.	<p>The IRWM plan must clearly present IRWM objectives, and a description of the process used to develop those objectives. IRWM objectives must:</p> <ul style="list-style-type: none"> <li>• Address major water related issues and conflicts of the region,</li> <li>• Be measurable by some practical means so achievement of objectives can be monitored.</li> </ul> <p>The IRWM plan may prioritize objectives for the region and contain an explanation of the prioritization.</p>	<ul style="list-style-type: none"> <li>• Added prioritization here to replace regional objectives.</li> <li>• Clarifications based on comments from Prop 50.</li> </ul>

For Discussion Purposes

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Water Management Strategies	<p>Document the range of water management strategies considered to meet the objectives. Strategies to be considered include but are not limited to:</p> <ul style="list-style-type: none"> <li>Ecosystem Restoration*</li> <li>Environmental and habitat protection and improvement*</li> <li>Water Supply Reliability*</li> <li>Flood management*</li> <li>Groundwater management*</li> <li>Recreation and public access*</li> <li>Storm water capture and management*</li> <li>Water conservation*</li> <li>Water quality protection and improvement*</li> <li>Water recycling*</li> <li>Wetlands enhancement and creation*</li> <li>Conjunctive use</li> <li>Desalination</li> <li>Imported water</li> <li>Land use planning</li> <li>NPS pollution control</li> <li>Surface storage</li> <li>Watershed planning</li> <li>Water and wastewater treatment</li> <li>Water transfers</li> </ul> <p><small>*Pursuant to CWC §§79562.5 and 79564, these water management strategies must be considered to meet the minimum Plan Standards.</small></p>	<p>The IRWM plan must document the range of resource management strategies considered to meet the IRWM objectives and identify which resources management strategies were incorporated into the IRWM plan. The effects of climate change on the IRWM management area must factor into the consideration of resources management strategies. Resources management strategies to be considered must include but are not limited to:</p> <div> <div> <p><b>Reduce Water Demand</b></p> <ul style="list-style-type: none"> <li>Agricultural Water Use Efficiency</li> <li>Urban Water Use Efficiency</li> </ul> </div> <div> <p><b>Improve Operational Efficiency and Transfers</b></p> <ul style="list-style-type: none"> <li>Conveyance</li> <li>System Reoperation</li> <li>Water Transfers</li> </ul> </div> <div> <p><b>Increase Water Supply</b></p> <ul style="list-style-type: none"> <li>Conjunctive Management &amp; Groundwater Storage</li> <li>Desalination - Brackish and Seawater</li> <li>Precipitation Enhancement</li> <li>Recycled Municipal Water</li> <li>Surface Storage—CALFED</li> <li>Surface Storage—Regional/Local</li> </ul> </div> <div> <p><b>Improve Flood Management</b></p> <ul style="list-style-type: none"> <li><i>Modify Flooding</i></li> <li><i>Modify Impacts of Flooding</i></li> <li><i>Modify Susceptibility to Flooding</i></li> <li><i>Preserve and Restore Natural Resource</i></li> </ul> <p><small>Note: Resources Management Strategies shown in <i>italics</i> are being considered for California Water Plan 2009.</small></p> </div> <div> <p><b>Improve Water Quality</b></p> <ul style="list-style-type: none"> <li>Drinking Water Treatment and Distribution</li> <li>Groundwater / Aquifer Remediation</li> <li>Matching Water Quality to Use</li> <li>Pollution Prevention</li> <li>Urban Runoff Management</li> </ul> </div> <div> <p><b>Practice Resources Stewardship</b></p> <ul style="list-style-type: none"> <li>Agricultural Lands Stewardship</li> <li>Economic Incentives (Loans, Grants, and Water Pricing)</li> <li>Ecosystem Restoration</li> <li>Recharge Areas Protection</li> <li>Urban Land Use Management</li> <li>Water-Dependent Recreation</li> <li>Watershed Management</li> </ul> </div> <div> <p><b>Other Strategies</b></p> <p><i>Other Strategies (includes crop idling for water transfers, dewvaporation, fog collection, irrigated land retirement, rainfed ag and transoceanic water bags) are coming soon.</i></p> </div> </div>	<ul style="list-style-type: none"> <li>To be renamed “Resources Management Strategies”; terminology consistent with Prop 84 and the California Water Plan</li> <li>Additional Strategies per PRC §75026(a)</li> </ul>

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Integration	Present the mix of water management strategies selected for inclusion in the Plan and discuss how these strategies work together to provide reliable water supply, protect or improve water quality, and achieve other objectives. Include a discussion of the added benefits of integration of multiple water management strategies, as compared to stand alone alternatives.	<p>The IRWM plan must provide opportunities, structures, and processes that develop, foster, and demonstrate integration. Integration may occur on many levels. IRWM plans must contain structures, processes, and procedures that foster one or more of the following types of integration:</p> <ul style="list-style-type: none"> <li>• Stakeholder/Institutional Integration</li> <li>• Resource Integration</li> <li>• Watershed Integration</li> <li>• Data/Information Integration</li> <li>• Planning Decision Integration</li> </ul>	
Regional Priorities	Include short-term and long-term priorities for implementation of the Plan. Discuss the process used to determine the regional priorities and the process for modifying priorities in response to regional changes.		<ul style="list-style-type: none"> <li>• Add prioritization to Objectives standard.</li> <li>• This clarification was made based on comment on Prop 50.</li> </ul>
Implementation	Identify specific actions, projects, and studies, ongoing or planned, by which the Plan will be implemented. Identify the agency(ies) responsible for project implementation and clearly identify linkages or interdependence between projects. Demonstrate economic and technical feasibility on a programmatic level. Identify the current status of each element of the Plan, such as existing infrastructure, feasibility, pilot or demonstration project, design completed, etc. Include timelines for all active or planned projects and identify the institutional structure that will ensure Plan implementation.		<ul style="list-style-type: none"> <li>• Implementation was replaced by Governance and Project Review Process.</li> <li>• Implementation language was weaker than and partially redundant with Governance and Project Review Process.</li> </ul>

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Project Review Process	<ul style="list-style-type: none"> <li>Not part of Prop 50 standards</li> </ul>	<p>The IRWM plan must contain a process(es) employed by the IRWM effort to identify implementation projects for inclusion in the IRWM plan. This review process must include the following factors:</p> <ul style="list-style-type: none"> <li>How the project contributes to the IRWM objectives;</li> <li>How the project is related to selected resource management strategies;</li> <li>Technical feasibility of the project;</li> <li>Project benefits;</li> <li>Specific benefits to disadvantaged communities' water issues;</li> <li>Environmental Justice considerations;</li> <li>Project costs and financing;</li> <li>Project Economic Analysis, including water quality and water supply benefits and other expected benefits;</li> <li>Project status;</li> <li>Potential for integration;</li> <li>Potential for meeting the project goals with an alternative project/modified project;</li> <li>Strategic considerations for IRWM plan implementation, including:               <ul style="list-style-type: none"> <li>Purposefully integrating projects,</li> <li>Purposefully implementing a project as is,</li> <li>Purposefully meeting project goals with an alternative project/modified project, and</li> <li>IRWM objective priorities; and</li> </ul> </li> <li>Contribution of the project in combating climate change (energy efficiency, reduction of greenhouse gas emissions, reduction of carbon foot print, or reduction in water demand) as opposed to alternative projects.</li> </ul> <p>The IRWM plan must also specify the process for submitting projects for inclusion into the IRWM plan. The IRWM plan must include an implementation list of projects or a link to where a list of implementation projects exists.</p>	<ul style="list-style-type: none"> <li>Project Prioritization.</li> <li>Added based on PRC §75028(a)</li> </ul>

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Impact and Benefit	Discuss at a screening level the impact and benefits from Plan implementation. Include an evaluation of potential impacts within the region and in adjacent areas from Plan implementation. Identify the advantages of the regional plan; including a discussion of the added benefits of the regional plan as opposed to individual local efforts. Identify which objectives necessitate a regional solution. Identify interregional benefits and impacts. Describe the impacts and benefits to environmental justice or disadvantaged communities. Include an evaluation of impacts/benefits to other resources, such as air quality or energy.	<p>The IRWM plan must contain an initial, screening level discussion of potential impacts and benefits of plan implementation. This discussion must include, but is not limited to the following items:</p> <ul style="list-style-type: none"> <li>• Potential benefits and impacts from the regional plan versus individual local efforts;</li> <li>• Potential benefits and or impacts within the IRWM plan region;</li> <li>• Potential benefits and impacts to other management regions (adjacent or more distant);</li> <li>• Potential interregional impacts and benefits; and</li> <li>• Potential impacts and benefits to resources other than water such as air quality or energy.</li> </ul>	
Technical Analysis and Plan Performance	Include a discussion of data, technical methods, and analyses used in development of the Plan. Include a discussion of measures that will be used to evaluate Project/Plan performance, monitoring systems that will be used to gather performance data, and mechanisms to adapt project operations and Plan implementation based on performance data collected.		<ul style="list-style-type: none"> <li>• Separated technical analysis from Plan performance for clarification.</li> <li>• PRC §75026(a) calls out plan performance.</li> </ul>
Plan Performance	<ul style="list-style-type: none"> <li>• Was a combined standard Technical Analysis and Plan Performance under Prop 50</li> </ul>	<p>The IRWM plan must include:</p> <ul style="list-style-type: none"> <li>• The metrics that will be used to evaluate project/plan performance, including but not limited to:</li> <li>• Obtaining plan objectives,</li> <li>• Stakeholder outreach and involvement,</li> <li>• Monitoring systems that will be used to gather performance data</li> <li>• Mechanisms to adapt project operations and plan implementation based on performance data collected, and</li> <li>• Process to formally update or amend the IRWM plan.</li> </ul>	

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Data Management	<p>Include mechanisms by which data will be managed and disseminated to stakeholders and the public, and include a discussion of how data collection will support statewide data needs. Assess the state of existing monitoring efforts for water quantity and water quality, and identify data gaps for which additional monitoring is needed.</p> <p>If the Plan includes a water quality component, include a discussion of the integration of data into the State Water Board's SWAMP and Groundwater Ambient Monitoring and Assessment (GAMA) Program. Appendix E provides a listing of web links for accessing information on the State Water Board's statewide data management strategies.</p>	<p>The IRWM plan must include mechanisms and processes by which data will be collected, stored, and disseminated to IRWM participants, stakeholders, the public, and the State. The IRWM plan must include:</p> <ul style="list-style-type: none"> <li>• A description of data management process for the IRWM region.</li> <li>• An explanation of how the data collection systems and data management protocols are shared throughout the IRWM region.</li> <li>• An explanation of how the data management system supports local planning efforts with shared data.</li> <li>• An explanation of how data will be shared with State agencies.</li> </ul>	
Financing	<p>Identify beneficiaries and identify potential funding/financing for Plan implementation. Discuss ongoing support and financing for operation and maintenance of implemented projects.</p>	<p>The IRWM plan must identify and explain potential financing for plan implementation, including but not limited to the following items:</p> <ul style="list-style-type: none"> <li>• List possible, as well as known, local efforts and grant opportunities for funding the projects that implement the IRWM plan.</li> <li>• Include explanations of certainty, magnitude, longevity of potential funding and the effects on plan implementation.</li> <li>• Include an explanation of how any operation and maintenance costs would be covered.</li> </ul>	
Statewide Priorities	<p>Identify issues of statewide significance or State agency priorities that will be met or contributed to by implementation of the Plan, Proposal, or specific projects. Describe how the Plan, Proposal, or specific projects were developed to meet issues of statewide significance or State agency priorities.</p>		<ul style="list-style-type: none"> <li>• Not included. Prop 84 moves Statewide Priorities to a Program Preference.</li> </ul>
Relation to Statewide Water Management	<ul style="list-style-type: none"> <li>• Not included</li> </ul>	Currently under review	
Technical Analysis	<ul style="list-style-type: none"> <li>• Was a combined standard Technical Analysis and Plan Performance under Prop 50</li> </ul>	<p>The IRWM plan must contain a discussion of data, technical methods, and analyses used to develop the IRWM plan.</p>	



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Relation to Local Water Planning	Discuss how the Plan relates to planning documents and programs established by local agencies. Demonstrate coordination with local land-use planning decision-makers. Discuss how local agency planning documents relate to the IRWM strategies and the dynamics between the two planning documents. Discuss the linkages between the Plan and local planning documents.	<p>The IRWM plan must contain references to the local water planning documents on which it is based, including the following</p> <ul style="list-style-type: none"> <li>• A listing of local water plans used in the IRWM plan,</li> <li>• A discussion of how the IRWM plan relates to planning documents and programs established by local agencies, and</li> <li>• A description of the dynamics between the IRWM plan and local planning documents.</li> </ul>	
Relation to Local Land Use Planning	<ul style="list-style-type: none"> <li>• Not included; was part of Relation to Local Planning Standard.</li> </ul>	<p>The IRWM plan must contain a description of the relationship between local land use planning entities and the IRWM effort including, but not limited to the following:</p> <ul style="list-style-type: none"> <li>• A description of the current relationship between local land use planning entities and IRWM entities.</li> <li>• A description of current and future efforts to establish an interactive relationship between land use planning and IRWM planning.</li> </ul>	<ul style="list-style-type: none"> <li>• Relation to local land use planning modified based on Prop 50 experience and PRC§75026(b)(2)</li> <li>• Separation of the water planning and land use planning to provide more emphasis on relation to land use planning.</li> </ul>
Stakeholder Involvement	Identify stakeholders included in developing the Plan. Identify how stakeholders were identified, how they participate in planning and implementation efforts, and how they can influence decisions made regarding water management. Include documentation of stakeholder involvement such as inclusion of signatory status or letters of support from non-agency stakeholders, i.e. those who have not “adopted” the Plan. Include a discussion of mechanisms and processes that have been or will be used to facilitate stakeholder involvement and communication during implementation of the Plan. Discuss watershed or other partnerships developed during the planning process. Discuss disadvantaged communities within the region and their involvement in the planning process. Discuss efforts to identify and address environmental justice needs and issues within the region. Identify possible obstacles to Plan implementation.	<p>The IRWM plan must:</p> <ul style="list-style-type: none"> <li>• Identify IRWM stakeholders including but not limited to watershed groups, disadvantaged communities, environmental justice communities, and tribal interests and their current level of participation.</li> <li>• Describe or reference the outreach protocols used to identify, inform, invite, and involve stakeholder groups in the IRWM process.</li> <li>• Explain IRWM committees, roles, or positions that stakeholders can occupy including how a stakeholder goes about participating in those committees, roles, or positions.</li> <li>• Discuss mechanisms and processes that have been or will be used to facilitate stakeholder involvement and communication during implementation of the IRWM plan</li> <li>• Demonstrate that all agencies and organizations that were/are necessary to address the objectives and resource management strategies of the Plan were/are involved in the planning process.</li> <li>• A discussion of partnerships developed during the planning process.</li> </ul>	

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Coordination	Identify State or federal agencies involved with strategies, actions, and projects. Identify areas where a State agency or other agencies may be able to assist in communication, cooperation, or implementation of Plan components or processes, or where State or federal regulatory decisions are required for implementation.	<p>The IRWM plan must identify agencies and entities outside the IRWM effort targeted for coordination and cooperation. The IRWM plan must:</p> <ul style="list-style-type: none"> <li>Identify State or federal agencies important to the implementation of the IRWM plan and associated projects and the agencies roles.</li> <li>Identify areas where a State or other agencies may be able to assist in communication, cooperation, or implementation of IRWM plan components or processes.</li> <li>Identify State or federal regulatory decisions that are required for IRWM plan or project implementation.</li> <li>Identify any neighboring IRWM efforts and how cooperation or coordination with the other IRWM efforts will be accomplished.</li> </ul>	
Climate Change	<ul style="list-style-type: none"> <li>Not included</li> </ul>	<i>Currently under review</i>	<ul style="list-style-type: none"> <li>Added per AB32.</li> <li>Not certain if this is separate standard or will be built into other standards such as Project Review Process.</li> </ul>